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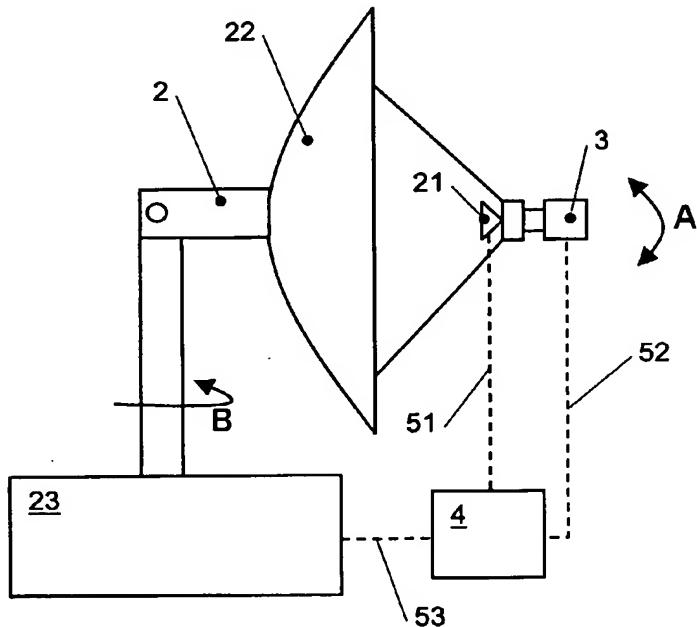
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(54) Title: DETECTION SYSTEM, METHOD FOR DETECTING OBJECTS AND COMPUTER PROGRAM THEREFOR



(57) Abstract: A detection system (1) having an optical sensor (3), a radar device (2) and a signal processor (4) communicatively connected with the optical sensor and the radar device. The signal processor comprises: a first detector (41, 410-413) for detecting a first object on the basis of a first signal coming from the optical sensor and determining at least one first property of the first object; a second detector (42, 420-421) for detecting a second object on the basis of a second signal coming from the radar device and determining at least one second property of that second object, and a signaling unit (43) for producing a signal if the at least one first property and the at least one second property satisfy a predetermined condition. Further, a method for detecting objects, comprising: generating (100) a sensor signal with an optical sensor; detecting (101) a first object on the basis of the sensor signal; generating (200) a radar signal; detecting (201) a second object on the basis of the radar signal; producing (300) a detection signal if both on the basis of the sensor signal and on the basis of the radar signal the same object is detected. Also, a computer program with program code for performing one or more steps of such a method.

WO 2004/086083 A1



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